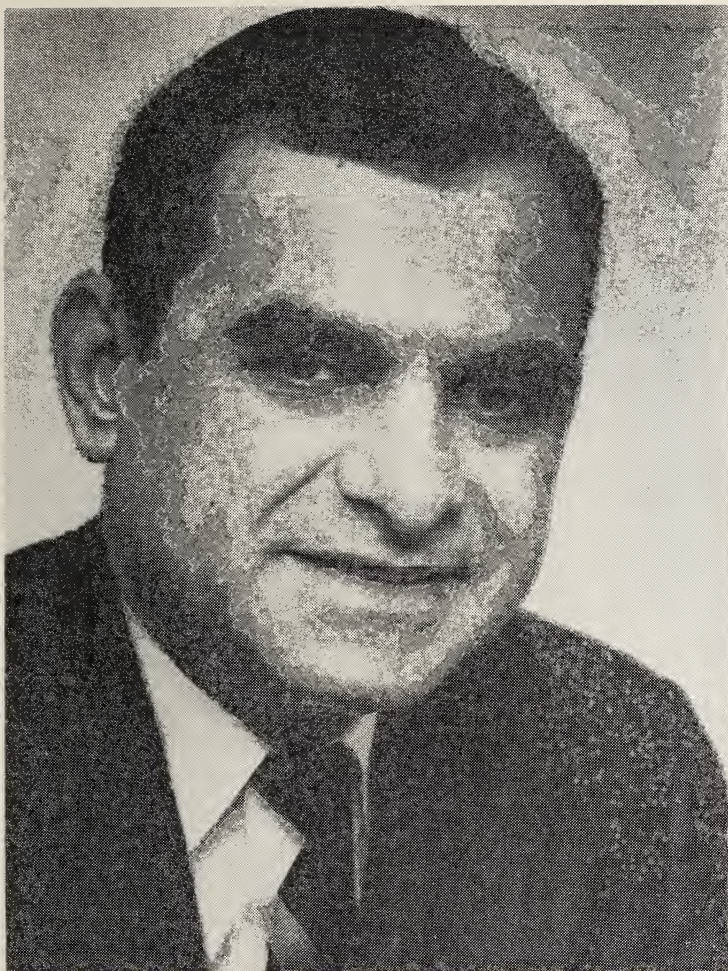




Dr. Louis Hartz, Professor of Government at Harvard, who was a Centennial Professor at the University in January, has a return engagement in that role throughout July. Members of the staff, graduate students on campus for the summer, and Extension undergraduate students attending summer school will have opportunities to meet and hear Professor Hartz at informal gatherings. Although Dr. Hartz will not give public lectures this month, he will take part in a colloquium in the quadrangle of Hart House on "Cultural Fragmentation" at 12 noon Thursday, July 27, at which summer school students will be welcome.

JULY-AUGUST 1967

bulletin

UNIVERSITY OF TORONTO



STAFF

The Royal Conservatory of Music

Summer School

SPECIAL EVENTS, 1967

The MacMillan Lectures for 1967 will be delivered by Dr. Welton Marquis, Head of the Department of Music of the University of British Columbia. Dr. Mar-

quis' subject will be "Music and Society". The lectures will take place in the Concert Hall, Edward Johnson Building at 8.30 p.m. on July 6, 10 and 12.

- July 3 Joseph Macerollo, accordionist. Edward Johnson Building, Concert Hall, 8.30 p.m.
- *July 4 Lorand Fenyves, violinist, and Pierre Souvairan, pianist. Edward Johnson Building, MacMillan Theatre, 9.00 p.m.
- *July 5 Anton Kuerti, pianist. Edward Johnson Building, MacMillan Theatre, 8.30 p.m.
- July 6 The MacMillan Lectures, Dr. Welton Marquis. Edward Johnson Building, Concert Hall, 8.30 p.m.
- July 7 Eurythmy, lecture-demonstration. Edward Johnson Building, Concert Hall, 8.30 p.m.
- July 10 The MacMillan Lectures, Dr. Welton Marquis. Edward Johnson Building, Concert Hall, 8.30 p.m.
- July 12 The MacMillan Lectures, Dr. Welton Marquis. Edward Johnson Building, Concert Hall, 8.30 p.m.
- *July 13 Maureen Forrester, contralto. Edward Johnson Building, MacMillan Theatre, 8.30 p.m.
- July 14 Douglas Bodle, organist. School of Music Building, Concert Hall, 273 Bloor St. W. 8.30 p.m.
- July 17 Art of Improvisation, Horace Lapp. Edward Johnson Building, Concert Hall, 8.30 p.m.
- July 18 Pierre Souvairan, pianist. Edward Johnson Building, Concert Hall, 8.30 p.m.
- July 19 Summer School Choir, conductor Gordon Kushner. Great Hall, Hart House. 8.00 p.m.
- July 20 Electronic Music from the Studio of Dr. Samuel Dolin. School of Music Building, Concert Hall, 273 Bloor St. W. 8.30 p.m.

*Tickets may be purchased for these events at \$3.50 each, and may be ordered by calling 928-3771. Admission to all other events is free without tickets.

Royal Ontario Museum Summer Film Program

Films illustrating the theme "Man in His World" will be shown each Tuesday and Thursday from July 11 to Aug. 17. The one-

hour film programs, in the Museum Theatre, start at 2 p.m. and will be followed by tours of selected galleries in the Museum.

Exhibitions

"Modesty to Mod"—More than 400 costumes and fashion accessories are included in this survey of clothing worn in Canada in the last 187 years. For the exhibition, the RCM's major centennial show, a comprehensive catalogue is available. Exhibition Hall ROM until Sept. 4.

"Discovery and Mapping of Upper Canada"—Forty-eight historic maps from the unique collection of Dr. Alexander E. MacDonald. Also on display for the first time are the David Thompson manuscript maps of his survey of the boundary between the United States and Upper Canada. A catalogue is available. Sigmund Samuel Canadiana Building until December.

"A Canadian Imprint"—The 138-year history of the Ryerson Press, Canada's oldest and largest publishing house, is traced through documents, letters, manuscripts and books. ROM Lower Rotunda June 27-July 13.

"Embroideries by Children of Chijnaya"—Seventy-five gaily-coloured embroideries from Chijnaya, Peru, by children six to 16 years old. ROM Lower Rotunda July 18 to Aug. 6.

"Birds by Canadian Artists"—Photographs, paintings and drawings selected for their artistic excellence by a committee of the American Ornithologists' Union. ROM Lower Rotunda Aug. 11-31.

How You Can Reduce the Peril of Fire

Since the beginning of the year there have been 20 fires on the St. George Campus. Most of them were small, one caused extensive damage, and the total property loss ran well into five figures. All of the outbreaks were potentially dangerous to life as well as to property.

In order to reduce the risk of loss of life, the University's Safety and Security Division offers these safety precautions:

If you see or suspect there is a fire:

1. Ring the nearest fire alarm signal in your building, or, if there is no alarm (not all buildings have them) shout "Fire!"

2. Telephone the Toronto Fire Department—the number is 366-2133—and clearly and explicitly identify the location.

3. Get out of the building at once, but remain nearby to direct the firemen to the exact location.

Sound an alarm if you see flame or if you see or smell smoke which cannot quickly be identified or located as to cause.

To help prevent fires, Safety and Security urges you to:

1. Switch off all electrical equipment, gas appliances, and gas cylinders at the end of the working day.

2. Cover all electrically-operated office equipment, such as typewriters, calculators and dictating machines, at the end of the day. Although this will not prevent fires, it does reduce the possibility of water damage if there should be one.

3. Make sure you know the location of the nearest exit and of an alternative in the event that the most convenient escape route should be impassable because of a fire.

4. Train new employees, including summer-time temporary help, in fire safety precautions, and be sure they know the location of exits.

For advice and help on fire prevention and fire safety problems, Assistant Fire Marshal Don Conyngham is available for consultation by telephoning 5151.

DEADLINE: SEPTEMBER 13

STAFF BULLETIN is published by the Department of Information, University of Toronto, and edited by Mrs. Winogene Ferguson. Copy for the October issue must reach the editor (Room 225, Simcoe Hall, telephone 928-2102) *not later than September 13.*

Appointments

Administration

GEORGE A. FORD has been appointed chief accountant of the university. A Toronto graduate in Economics and Political Science of 1950, Mr. Ford is a member of the Institute of Chartered Accountants of Ontario. He comes from a large corporation where he had major accounting and administrative responsibilities.

Arts and Science

DONALD A. CHANT has been appointed professor and chairman of the Department of Zoology. He is a graduate of the Universities of British Columbia and London. Since 1964 he has been chairman, Department of Biological Control, California, and since 1966, with Biological Inventory (Agriculture) Science Secretariat. During 1956-60 he was with the Research Institute, Canadian Department of Agriculture, and from 1960 to 1964 was director, Entomology and Plant Pathology Research Laboratory. His research interests are entomology, ecology, especially mites and ticks, and biological control. Dr. Chant has been doing a series of television programs in the United States.

D. P. KERR has been appointed acting chairman of the Department of Geography.

R. J. O'BRIEN has been appointed executive assistant to the chairman, Department of Chemistry.

D. R. HUGHES, appointed professor (Anthropology) was educated at Cambridge, and School of Oriental and African Studies, and the Institute of Education, University of London. He served from 1950 to 1960 in H.M. Colonial Service, later Overseas Civil Service, as education officer, and later chief censor designate for Singapore. He retired to pursue research at Cambridge and gained his Ph.D. in physical anthropology in 1965. Dr. Hughes was appointed acting director of the Duckworth Laboratory of Physical Anthropology in 1964, and in 1965 became head of the physical anthropology section, National Museum of Canada.

STILLMAN DRAKE has been appointed professor in the Department of History. A graduate of the University of California, he has been with a business firm in San Francisco. He is the leading authority on Galileo and has published widely in this field.

RAM NARESH VARMA has been appointed associate professor (East Asian Studies).

Educated at Banaras Hindu University, with a Ph.D. degree in 1959, he has been teaching there since 1952.

J. W. SIMMONS, associate professor, part-time (Geography), studied at Universities of Western Ontario and Chicago. He has taught at the University of Western Ontario since 1963.

DAVID F. METTRICK, appointed associate professor (Zoology) has lectured at the University of the West Indies, Mona, Jamaica, since 1961. Educated at the University of Wales, the London School of Hygiene and Tropical Medicine, he has taught at London, University College of Rhodesia, and Nyasaland.

Newly appointed assistant professors are listed below.

H. E. ROGERS (Anthropology), has B.A. and M.A. degrees from Yale. He spent 1965-66 in Sierra Leone on a Fulbright-Hays fellowship collecting data for dissertation.

WOLFGANG WEISSELEDER (Anthropology) comes from McMaster University. He was a music editor, naval designer, technical editor and writer before studying anthropology. He earned his B.A. at Columbia and M.A. and Ph.D. at Chicago.

BIN YAMAGUCHI (Anthropology), has B.A., M.Sc. and Ph.D. degrees from the University of Tokyo. He is now assistant professor of anthropology, Sapporo Medical College, Japan.

J. C. THOMPSON (Chemistry) has B.A. and Ph.D. degrees from Cambridge, and has been a postdoctoral fellow at Rice University the past two years.

MISS D. J. DOHRENWEND (East Asian Studies), with degrees from Universities of Rochester and Michigan, and Ph.D. from Harvard, is a cross-appointment with the Royal Ontario Museum, where she is to be curatorial assistant, Far Eastern Department. She has been with the Fogg Art Museum at Harvard.

J. T. LEMON (Geography) has been teaching at the University of California, Los Angeles, since 1963. He has degrees from University of Western Ontario, Yale and University of Wisconsin.

JACQUES KORNBERG (History), educated at Brandeis University, University of Geneva and at Harvard, has instructed at Simmons College, Boston, and for three years at Stanford University. His major field is Modern European Intellectual History.

JAMES MCCOOL (Mathematics) with a B.Sc. from Glasgow University, has been teaching and working towards his Ph.D. degree there.

J. E. PALOHEIMO (Mathematics), educated at the Universities of Helsinki, Toronto and Columbia, received his Ph.D. here in June. He has been employed with the Fisheries Research Board of Canada.

LOWELL DWORIN (Physics) was educated at City College of New York, and at Columbia. He was a postdoctoral fellow at the University of California, San Diego, 1964-66, and was with the Bell Telephone Laboratories last year.

RODNEY E. KREPS (Physics), graduate of Stanford and Princeton Universities, was an Andrew Mellon postdoctoral fellow, 1965-67. He has held posts at Princeton, University of California, Berkeley, and University of Pittsburgh.

MRS. J. E. GRUSEC (Psychology), a Toronto graduate, interned at Saskatchewan Hospital, Weyburn, and Toronto Psychiatric Hospital. She earned her Ph.D. at Stanford, has taught at Wesleyan University, and last year at the University of Waterloo.

JOHN J. FUREDY (Psychology), graduate of the University of Sydney, has taught there and recently has been visiting assistant professor at Indiana University.

M. E. RASHOTTE (Psychology), educated at the University of Western Ontario and Toronto, has been special lecturer here.

JOSEPH L. LENNARDS (Sociology), was educated at Princeton, Southern Illinois University, and the Catholic University of Nijmegen, Holland. He has taught in Holland and at Princeton, where he was a University Fellow last year.

G. M. TELFORD (Zoology) with B.Sc. from Dalhousie University, has been working for his Ph.D. at McGill. From 1962 to 1965 he was senior demonstrator at Sir George Williams University.

Four visiting professors have been appointed.

R. J. ELLIS (Botany) is from the University of Aberdeen. He is carrying out research in enzymology of reduction of sulphur and nitrogen compounds.

SHOICHI SAEKI (East Asian Studies) comes from Tokyo Metropolitan University. From 1962 to 1964 he was visiting professor at the University of Michigan. His main interest is in contemporary literature and literary criticism. He has translated and published works of Poe, Henry James, Hemingway, among others.

LAURENCE LOCKHART, now visiting professor (Islamic Studies) has been reappointed for the period Oct. 1 to Nov. 30.

HANDEL DAVIES (Mathematics) was educated at Oxford and Cornell. Since 1952 he has taught at Oxford, for the past two years as senior censor at Christ Church.

HEYDAR RADJAVI, visiting associate professor (Mathematics) is associate professor in the Department of Mathematics of Pahlavi University, Shiraz, Iran.

VELLO SERMAT, visiting associate professor (Psychology) is a graduate of Toronto and Yale. Since 1963 he has been with the University of Oregon, and last year was visiting at San Francisco State College.

ANTHONY V. LIMAN, one of three visiting assistant professors, was born and educated in Prague. He has been studying for the past year in Japan, and is enrolled as an auditor at the Institute of Literary Research of Waseda University.

SISTER RITA JEAN TAUER (Mathematics) educated at the College of St. Catherine, St. Paul, Minn., the University of Minnesota and M.I.T. has held postdoctoral research awards, National Science Foundation Research Participation for College Teachers at the University of Oklahoma.

B. G. STROUD (Philosophy) is a graduate of Toronto and Harvard. Since 1961 he has taught at the University of California, Berkeley, except for 1964-65 when he was research professor in the humanities at Oxford University.

University College

HUMPHREY N. MILNES has been appointed chairman of the Department of German. Dr. Milnes is a graduate of Toronto with a Ph.D. from Ohio State University. He served with the Canadian Intelligence Corps from 1943 to 1946, joined the U.C. staff as lecturer in 1948 and became professor in 1964. Since 1953 he has been the University College archivist, and since 1963 secretary of the Centre for Medieval Studies. Prof. Milnes' publications are in the fields of Medieval German, Old Norse, German Dialects and German Folklore in Ontario.

R. J. WILLIAMS has been appointed chairman of the Department of Near Eastern Studies. A Toronto graduate with a Ph.D. from Chicago, Dr. Williams also studied theology at Emmanuel College, and spent a year as a minister of the United Church. He returned to Toronto and held a joint lectureship in Oriental Languages at Victoria, Trinity and University Colleges. In

1947-48 he was visiting assistant professor at the Oriental Institute, University of Chicago. In 1953-54 Dr. Williams was awarded a Nuffield Foundation fellowship and did research at Oxford on the development of the fable in the literatures of the Near East. In 1962 and 1966 he was on the staff of the University of Chicago's archaeological expeditions at Serre East, Sudan. Dr. Williams has contributed articles to learned journals, and collaborated with Bishop White on a work about Chinese Jews. His *Outline of Hebrew Syntax* will be published this year.

Victoria College

PROF. KENNETH MACLEAN is retiring from the chairmanship of the English Department on July 1, when PROF. MILLAR MACLURE becomes chairman.

PROF. W. T. TRETHEWEY is retiring from the chairmanship of the French Department on July 1. He will be succeeded by PROF. A. R. HARDEN.

Erindale College

J. TUZO WILSON, professor of geophysics and director of the Institute of Earth Sciences has been appointed principal of the College, succeeding D. CARLTON WILLIAMS, who will become president and vice-chancellor of the University of Western Ontario.

Dr. Wilson has degrees from Toronto, Cambridge and Princeton, and honorary degrees from Carleton, Ottawa and Western Ontario. He joined the University staff after wartime services, for which he was made a member of the Order of the British Empire and received the United States Legion of Merit. As president of the International Union of Geodesy, during International Geophysical Year, 1957-58, Dr. Wilson travelled some 100,000 miles. He has been a member of the National Research Council and the Defence Research Board, and is vice-chairman of the advisory committee on science and medicine for Expo 67.

GAD HOROWITZ has been appointed associate professor in the College and also in the Department of Political Economy. Prof. Horowitz obtained his B.A. with honours at the University of Manitoba, his M.A. at McGill and his Ph.D. in 1964 at Harvard. For the past three years he has been teaching at McGill.

THOMAS G. ELLIOT has been appointed assistant professor in the College and also in the Department of Classics, University

College. He did his undergraduate work at Toronto and is proceeding toward his Ph.D. at Harvard. For the past three years he has been an instructor in Classics at Trinity College, Hartford, Conn.

MICHAEL J. HARE has been appointed assistant professor in the College and also assistant professor in Economics. He graduated with a B.Comm. from U of T in 1955, and is at present in the Department of Political Economy.

Medicine

E. G. BERTRAM has been appointed professor (Anatomy). Since 1961 he has been with the University of Alberta. Previous posts were at Marquette University, Universities of Buffalo and Western Ontario. Dr. Bertram is a graduate of the two last-named universities.

J. R. HAMILTON, J. A. LOWDEN and P. D. McCURE (Paediatrics) have been promoted to the rank of assistant professor.

Graduate Studies

In accordance with the provisions of the new Statute of the School of Graduate Studies, the responsibility of the two continuing associate deans has been redefined and two new associate deans have been created, whose appointments were reported in our previous issue. PROF. H. C. EASTMAN, Department of Political Economy, remains as associate dean for another term in Division II (Social Sciences), and PROF. J. G. BRECKENRIDGE, Department of Chemical Engineering, remains associate dean for another year in Division III (Physical Sciences).

LEON MAJOR has been appointed theatre director of the Centre for the Study of the Drama. A graduate of Toronto, where as a student he acted in six plays, he has been for five years artistic director of the Neptune Theatre Foundation in Halifax. Ten years ago Mr. Major completed his training in Europe on his first Canada Council fellowship. Returning home, he became a full-time professional, producing at the Crest Theatre for CBC-TV, for the Canadian Opera Company, and in 1961 was assistant artistic director to Michael Langham at Stratford. He directed Spring Thaw 63, five productions for the Canadian Opera Company, shows for the Museum Children's Theatre, "Prologue to the Arts" tour of Ontario High schools, the Centennial play "try-out" at Lindsay, and the Drama Centre's production of "Edward II" at Hart House Theatre. Be-

fore leaving for Europe this summer on his second Canada Council fellowship, he will direct the Canadian Opera Company's "Louis Riel".

H. S. NOCE of the Department of Italian and Hispanic Studies has been appointed academic secretary of the Centre for the Study of the Drama.

EUGENE JOLIAT has been appointed chairman of the Graduate Department of French, to succeed V. E. GRAHAM who resigned to become associate dean of Division I.

BRIAN MERRILEES of the Department of French has been appointed academic secretary to the Centre for Medieval Studies, succeeding HUMPHREY MILNES, who resigned to become chairman of the Department of German in University College.

Pharmacy

ERNST W. STIEB has been appointed professor of the history of pharmacy. Dr. Stieb was the first Toronto graduate with the degree Master of Science in Pharmacy in 1955. He then earned the Ph.D. at the University of Wisconsin, where he has since been on the staff. He has won many awards for outstanding achievement. Most recently, in April this year, he was awarded the Edward Kremers Award for distinguished

historical writing, for his book, *Drug Adulteration; Detection and Control in 19th-Century Britain*. Dr. Stieb is secretary, American Institute of the History of Pharmacy; president, Pharmacists' Council for Community Affairs; member, Board of Directors, Midwest Junto of the History of Science Society.

Hygiene

DR. F. BURNS ROTH, professor and head of the Department of Hospital Administration and professor of Medical Care, is to head a new Department of Health Administration. The department will undertake all the present duties of the Departments of Public Health and Hospital Administration, except for teaching preventive medicine to medical students. This will be the responsibility of a committee in the School, under a chairman who will report to the School's director.

Dr. Roth was appointed director of hospital administration and standards for Saskatchewan in 1950, and two years later was named deputy minister of public health for the province. He held this appointment until 1962, when he joined the Toronto staff. He was one of the principal architects of the Saskatchewan Medicare Plan.

Honorary Degrees

PRESIDENT BISSELL received an honorary degree of Doctor of Laws from York University and gave the address at the June 2 Convocation.

PROF. D. G. CREIGHTON received two honorary degrees, one from St. Francis Xavier University, on May 15, and the other from the University of Victoria, on May 29.

PROF. NORTHROP FRYE was awarded the degree of Doctor of Humane Letters by the University of Chicago at its Seventy-fifth Anniversary Convocation on May 5, and the

degree of Doctor of Letters by Dartmouth College at its Convocation on June 11.

DR. A. T. JOUSSE addressed Queen's University's Convocation on May 27, and received the honorary degree of Doctor of Laws.

PROF. H. M. McLuhan received an LL.D. degree from Simon Fraser University, and a D.Litt. from the University of Manitoba.

PROF. C. P. STACEY was honoured with the Doctor of Letters degree from the University of New Brunswick at its 138th Encaenia on May 16.

NOTES

Administration

PRESIDENT BISSELL gave an address on "The University and the Arts" on June 7 at the Association of Universities and Colleges of Canada Centennial Conference at Queen's University. Dr. Bissell gave dinner addresses to the Association of American Universities and Presses on June 14, and to the Canadian Institute of Chartered Accountants on June 23.

Arts and Science

PROF. HELEN S. HOGG has received the Radcliffe Graduate Achievement award for 1967 for astronomical research and for work with various scientific societies. The medal was presented in Cambridge on June 16, when Dr. Hogg gave an address. Prof. Hogg spoke to the Cleveland Astronomical Society on "Variable Stars in Globular Clusters" on Jan. 13.

PROFS. S. VAN DEN BERGH and R. C. ROEDER attended the American Astronomical Society meeting at the University of California, Los Angeles on Dec. 27. Papers were presented by Prof. van den Bergh on "UBV Photometry of Globular Clusters", and by Prof. Roeder on "Stellar Evolution and Brans-Dicke Cosmology".

Prof. van den Bergh spent five nights observing interstellar clouds at the Mt. Palomar Observatory, early in January.

PROFS. ANAND, MACRAE, ROEDER and VAN DEN BERGH attended the Third Texas Symposium on Relativistic Astrophysics from Jan. 23-27 in New York.

Prof. R. C. Roeder addressed the Hamilton Centre of the Royal Astronomical Society of Canada on "Quasi Stellar Objects" on Feb. 2.

On March 3 and 4 the Department of Astronomy was host to a meeting of the National Committee for Canada of the International Astronomical Union. As well as a business meeting, scientific sessions were held, in the course of which papers were presented by: PROF. ANAND on "Comments on Fission Theory of Binary Stars"; PROF. FERNIE on "The Enigma of Delta Cephei"; PROF. HEARD on "The Eclipsing System SZ Piscium"; PROF. HOGG on "The Canadian Contribution of the Study of Variables in Globular Clusters"; PROF. ROEDER on "The Ages of Star Clusters"; PROF. VAN DEN BERGH on "Globular Clusters and the Evolution of the Galaxy". PROFS. D. A. MACRAE and E. SEAQUIST also attended these meetings.

DR. FERNIE spoke to the Department of Astronomy at University of Western Ontario on April 13, on "The Period-Luminosity Relation of Classical Cepheids".

From June 6 to 9 the Graduate Department of Astronomy will sponsor a June Institute on the subject of "Radio Astronomy and Cosmology". Four guest speakers, DR. J. E. FELTON from the University of California, San Diego; DR. T. A. MATTHEWS from the University of Maryland; DR. P. J. E. PEEBLES from Princeton and DR. L. WOLTJER from Columbia, will lecture and conduct seminars. The participants will include other graduate students from neighbouring Ontario universities.

PROF. N. WAGLE gave a paper on "Early Buddhist Pantheon and its Relation with Society" at the American Oriental Society meeting in New Haven, March 21.

PROF. PETER BRIEGER was invited by the Eugrammia Press to attend and to lecture

at the launching party of the Facsimile edition of the Trinity College Apocalypse he prepared and for which he wrote the text. It took place in the Painters Hall at London on March 1 and Lord Butler, Master of Trinity College, was the speaker.

PROF. ALAN V. JOPLING has recently attended two National Science Foundation sponsored seminars, one at Iowa City on Quantitative Physical Geography, the other at Baton Rouge on Deltas.

PROF. IAN BURTON has been in Geneva serving as consultant to the World Health Organization. He is helping in the arrangement of seminars to be held in September on Community Water Supplies and Economic Development.

PROF. LARRY S. BOURNE read a paper on "Rebuilding Cities: Location Factors in the Redevelopment Process" to the Canadian Association of Geographers annual meeting in Ottawa.

PROF. JACOB SPELT is spending three months as a visiting professor at the Geographisches Institut, Marburg, West Germany.

PROF. J. H. GALLOWAY attended the meetings of the Canadian Association of Geographers which were held in Ottawa at the end of May and read a paper on "The Sugar Industry of Pernambuco, during The Nineteenth Century".

PROF. J. GITTINS attended the Fourth Conference on African Geology at the University of Sheffield, England, and visited the Universities of Cambridge, Bonn and Freiburg and geological localities in the Eifel and Baden districts of Germany.

PROF. A. AHMAD gave a paper on "Modern Islam in the Indo-Pakistan Sub-continent and in Other Muslim Lands" on March 23, at McGill University's Institute of Islamic Studies.

PROFS. R. M. SAVORY, E. BIRNBAUM, F. IZ, A. JWAIDEH COX, S. BERENGIAN and MRS. R. MELNIK attended the annual meeting of the American Oriental Society in New Haven, Conn. March 21-24.

PROF. KURT LEVY chaired the Spanish sub-section of the Easter meeting of the Ontario Modern Language Teachers Association on March 27.

The film "Dihedral Kaleidoscopes" of the College Geometry Project, which was developed by PROF. H. M. S. COXETER, has received an honour award in the American Film Festival sponsored by the Educational Film Library.

PROF. J. F. M. HUNTER addressed a semi-

nar in Philosophy at Trent University on "The Logic of Social Contracts"; and read a paper to the Philosophical Society of the University of Virginia entitled "Forms of Life" in the *Philosophical Investigations*.

PROF. R. S. KRISHNAN, Director of the Department of Physics, Indian Institute of Science, Bangalore, arrived in Toronto on May 1 on a three months visit as visiting professor. Dr. Krishnan will be engaged in research on the Raman spectra of crystals and will give some special lectures on Lattice Dynamics. The dates of the latter will be announced.

PROF. KAZUMI MAKI from the University of California in La Jolla will be a visiting professor in theoretical physics from June 15 to July 15. Professor Maki will probably give several introductory lectures on type II and gapless superconductors during his stay at Toronto, the times to be announced later.

PROF. T. RUYGROK from the University of Utrecht, The Netherlands, will be a visiting professor in theoretical physics during the months of June, July and August. He will present a number of lectures on his work, which will be announced separately.

PROF. J. T. WILSON was invited to address the plenary session at the annual meeting of the American Geophysical Union in Washington on April 17. His subject was "Transform Faults and Magnetic Anomalies in the Ocean Basins". On May 8 he delivered the second Noranda Lecture at Expo 67 on the subject "Terre des Hommes" and he repeated this lecture on May 15 at State University College, Plattsburgh, N.Y.

PROF. A. W. BREWER presided at the First Annual Congress of the Canadian Meteorological Society in Ottawa, May 24-26 and gave the presidential address entitled "Meteorological Research in Canada".

PROF. F. S. GRANT spent May 1-4 with the Geosciences Division (College of Engineering) at the University of California in Berkeley by invitation. While there, he gave two talks concerning the uses of interpretational models and computer graphics in the analysis of geophysical data.

PROF. R. LIST attended the First Annual Congress of the Canadian Meteorological Society in Ottawa, May 24-26, chaired the session on Cloud and Precipitation Physics, and gave an invited survey paper, "Advances in Cloud and Precipitation Physics".

PROF. J. W. MOFFAT gave a colloquium entitled "Symmetry Properties at High Energy in Particle Physics" at the University of Wisconsin on May 15.

PROF. N. R. STEENBERG visited the Stanford Linear Accelerator Center and the Lawrence Radiation Laboratory, May 8-12. At Stanford he gave a high energy physics seminar "3 BeV/c π^-p Interactions in the MURA Chamber".

PROF. B. P. STOICHEFF visited the Department of Physics, McMaster University, and gave a colloquium lecture on "Light Scattering from Thermal Fluctuations in Liquids and Solids" on March 22. He also gave a lecture on "The Laser and its Construction" to a meeting of the Glassblowers Association in Toronto, May 6.

In the Department of Physics, seminars were recently given by the following visitors: DR. J. CARBOTTE, McMaster University; DR. W. S. MOORE, University of Nottingham; MISS B. FORMAN, University of Rochester; PROF. H. B. G. CASIMIR, Philips Industries, Eindhoven, The Netherlands; PROF. E. U. FRANCK, Institut für Physikalische Chemie, Karlsruhe, Germany; DR. R. ENGFER, Institut für Technische Kernphysik, Darmstadt, Germany; DR. A. WIIN-NIELSEN, University of Michigan, Ann Arbor; PROF. M. A. JENSEN, University of Pennsylvania.

PROF. C. R. MYERS, at the invitation of the American Psychological Association, served as visiting scientist in the Department of Psychology, Bowdoin College, Brunswick, Maine, on April 10 and 11 and gave an address on "Scientific Eminence in Psychology".

PROF. E. TULVING's recent speaking engagements included a colloquium talk on "Some Current Problems in Research on Memory" at the University of Buffalo on March 10; Queen's University, Kingston, on "On Coding Processes in Memory", March 16; University of California, San Diego, on "Functional Units and Retrieval Processes in Free Recall", March 24; University of Waterloo, on "On Coding Processes in Memory", March 28; North Carolina State University, Raleigh, N.C., on "Storage and Retrieval Processes in Memory" on April 10; University of Colorado, Boulder, Colorado, on "Organization and Memory" on April 15; University of Michigan, Ann Arbor, on "Organization and Memory" on April 19. On April 29, he lectured at the University of Rhode Island, Kingston, R.I. on "Coding and Retrieval: Some Speculations".

PROF. D. E. BERLYNE spoke at the Trumbull Lecture, Department of Psychology, Yale University, on "Arousal and Learning" on March 15. Other speaking engagements

included colloquia at York University on April 13, and at Brooklyn University on April 12, on the topic, "Curiosity and Learning". On April 22 he attended a conference on "Biology and Behavior: Environmental Influences" sponsored by the Russell Sage Foundation and Rockefeller University and spoke on "Indifferent Extroceptive Stimulation and Reinforcement". He also spoke on "Curiosity and Learning" at a colloquium at the City Colleges of the City University of New York, on May 16.

PROF. C. D. CREELMAN was awarded two National Research Council grants. The sum of \$17,500 was given for "Studies of Auditory Discrimination", and \$14,500, a "Major Equipment" grant, for a computer-based psychoacoustic laboratory. On March 25, he spoke at a colloquium at the Department of Psychology, McMaster University, on "Signal Detectability and Stimulus Scaling".

PROF. J. E. R. STADDON gave two lectures on the topic "Inhibitory Mechanism in Temporal Discrimination" at the University of Manitoba, on March 9 and 10.

DR. A. M. ZIMMERMAN presented, in conjunction with LOUISE LOWE and JOSEPH HERMOLIN, a paper, "Sensitivity of Tetrahymena to High Pressure" at the 2nd International Conference on Cell Synchrony at Oak Ridge, Tenn. on April 28; a seminar "Effect of High Hydrostatic Pressure on Macromolecular Synthesis" at the Wrightsville Marine Bio-Medical Laboratory, Wilmington, N.C. on May 1. Dr. Zimmerman lectured to the Department of Pharmacology, College of Physicians and Surgeons of Columbia University on "The Actions of Antibiotics on Cell Division" on May 15, and on "Macromolecular Synthesis in *Tetrahymena Pyriformis*: A High Pressure Study" at the Oak Ridge National Laboratory on June 19.

DR. R. O. BRENKHURST visited the Centre for Great Lakes Studies and the Department of Zoology, University of Wisconsin, and gave a lecture on "The Biology of Aquatic Oligochaetes in Relation to Pollution Detection", May 1-3.

DR. JACQUES BERGER participated in a U.S. National Science Foundation Workshop on "Ciliate Protozoa Morphogenesis and Systematics", April 9-11, held at the Department of Biological Sciences, University of Illinois at Chicago Circle. He presented a paper and presided over a session on "Effects of Morphogenetic Data on Lower-level Classification of Ciliates". Dr. Berger presented a seminar on April 12 on "Commensal Ciliates of Marine Inverte-

brates" to a Protozoology Colloquium at the University of Illinois, Urbana.

University College

PROF. D. V. LEPAN delivered a public lecture at Dalhousie University in the Dalhousie Centennial Series on "Canada, 1967". He also gave a public lecture at Dartmouth College on "Canada and the United States: A Laboratory for International Relations".

PROF. MICHEL SANOUILLET addressed the Cercle des Amis de la France at Buffalo, N.Y. on April 26, on "Raymond Roussel, un précurseur du Surréalisme".

PROF. E. A. JOLIAT represented the University at the International Meeting of the Association des Universités Partiellement ou Entièrement de Langue Française in Montreal, May 5-15.

B-Z. SHEK attended the first colloquium of the newly-formed Syndicat des Ecrivains du Quebec, in Montreal on May 20.

PROF. D. M. HAYNE attended the meetings of the Canadian Historical Association in Ottawa on June 8 and 9.

PROF. V. E. GRAHAM attended the meetings of the Royal Society of Canada on June 5-7, in Ottawa.

PROF. CÉCILE CLOUTIER-WOJCIECHOWSKA has been elected secretary of the French-language PEN Club in Montreal.

Victoria College

On Jan. 1 PROF. W. T. MCCREADY was elected editor of the *Bulletin of the Comediantes*.

PROF. E. G. CLARKE has been elected president of the Canadian Society of Biblical Studies, and of the Canadian Section of the Society of Biblical Literature (1967/1968). He was also elected president of the Upper Canada District of the Canadian Bible Society.

PROF. K. J. JOBLIN participated in the Centennial International Development Program held in St. Thomas from May 26 to 29. He also gave a paper at the Canadian Society for the Study of Religion in Ottawa on June 12.

PROF. D. V. WADE will be giving a course at the Graduate Summer Session in Theology in Vancouver from July 4 to 25. His subject will be "The Church and Urban Challenge".

PROF. R. M. FREEMAN attended the Canadian Theological Society meetings in Montreal in May and he and Prof. Joblin participated in the Biennial Conference of Anglican and United Church Chaplains.

Emmanuel College

PROFS. BLACKMAN, DEMSON, FENNELL, GRANT, GUTHRIE, KELLY and OSBORNE attended the meetings of the Canadian Theological Society, the Canadian Society for Biblical Studies and the Canadian Society of Church History which were held at McGill University, Montreal, May 15-18.

PROF. DEMSON was re-elected secretary of the Canadian Theological Society; Prof. Grant was elected president of the Canadian Society of Church History. Prof. Blackman presented a paper to the Society for Biblical Studies on "History of the Kerygma"; Prof. Osborne presented a paper to the same Society, in French, entitled "Ou est-ce que Pierre est allé?"

PRINCIPAL LAUTENSCHLAGER addressed the 1967 Assembly of the Baptist Convention of Ontario and Quebec on June 11 in Peterborough, on "Theology for Current Proclamation".

St. Michael's College

PROF. G. G. BAUM attended the May meeting of the Canadian Theological Society in Montreal.

SISTER BLANDINA and MRS. A. M. DABROWSKI have both received Canada Council grants for study in Europe.

SISTER GERALDINE received a post-doctoral fellowship from the Canada Council for study abroad during her sabbatical year.

PROF. H. B. HINGERT received a Canada Council grant for study of the logic of theological language at Oxford and London.

PROF. C. W. LELAND attended the Conference on the Arts and the University held at Queen's University June 6-10.

PROF. H. M. McLUHAN delivered the Purvis Memorial Lecture at the American Institute of Architects Convention in New York on "The New Architect" on May 15; addressed the Catholic Press Association Convention in Toronto on May 17 on "Accent on Professionalism"; spoke at the American Association of Museums annual meeting, Toronto, on "The Museum as an Educational Institution" on May 30.

PROF. D. SAINT-JACQUES gave a paper on "André Langevin aux prises avec le temps" on June 15 at the meeting of the Canadian Association of University Professors of French; and during the summer is giving a graduate course at Laval University in French Literature from 1940 to the present. Prof. Saint-Jacques won a prize in the 1967 Hachette and Lerousseau Competition on

"Une personnalité française qui a le plus contribué au progrès de la Terre des Hommes", choosing Montesquieu as his subject.

PROF. R. J. SCHOECK gave the Convocation Lecture at St. Jerome's College, University of Waterloo, on March 16, on "Sir Thomas More, Humanist in the World", and gave a seminar on "Utopia and Humanism"; on April 6-7; was co-chairman of the Conference on Medieval Bibliography held under the auspices of ACLS, UNESCO and the Canada Council, with the Medieval Centre and the Mediaeval Institute as co-hosts; on May 6-7, attended the meeting of the Catholic Commission on Cultural and Intellectual Affairs at the University of Maryland where he was the Canadian representative on a committee dealing with university problems; was named to the Advisory Board on bibliographical handbooks for the Conference on British Studies.

PROF. T. L. SUTTOR addressed the Canadian Theological Society meeting in Montreal on May 17 on "Why Conscience Likes Dogmatic Definitions".

PROF. ROBERT O'DRISCOLL delivered a lecture on "Art, Old Age and Politics in the Poetry of W. B. Yeats" at University College, Galway, Ireland, on May 26. He will deliver a lecture on "Yeats's View of History" at the Yeats International Summer School in Sligo, Ireland, on August 21. Prof. O'Driscoll will also conduct a series of ten seminars on "Yeats's Development as a Poet" in Sligo in August.

Scarborough College

PROF. KARL S. GUTHKE presented a lecture on "Das Drama des Expressionismus und die Metaphysik der Enttäuschung" at the symposium on "Aspekte des Expressionismus: Periodisierung, Stil, Gedankenwelt" held at the University of Massachusetts on April 14. Prof. Guthke lectured on "Der Mythos des Bösen in der europäischen Romantik" at the symposium on Romanticism held at the 20th Foreign Language Conference at the University of Kentucky, on April 29.

Erindale College

DR. IRWIN M. SPIGEL has received a grant from the National Research Council of Canada to study the role of electrolyte balance in water consumption and the response to stress in reptiles.

ASSOCIATE DEAN E. A. ROBINSON lectured on "Chlorosulphuric Acid" at the International Summer School, NATO Advanced Study Institute on Non-Aqueous Solvent Chemistry, held at McMaster University May 23-31. He also contributed a paper entitled "The Self-Dissociation of Sulphuric Acid" at the International Conference on Non-Aqueous Solvent Chemistry at McMaster University, June 3, and lectured on "Infra-red Spectroscopy" at the Chemical Institute of Canada Professional Development Course on Spectroscopy in Toronto June 8 and 9.

DR. J. A. CIRUNA presented a paper on "The Ionization of Selenium Tetrachloride and Tellurium Tetrachloride in Chlorosulphuric Acid" (co-author PROF. E. A. ROBINSON), at the Annual Conference of the Chemical Institute of Canada held in Toronto June 4 to 7.

Medicine

PROF. G. E. CONNELL gave a lecture on "The Structure and Function of Antibodies" at the Department of Biology, University of Waterloo, on March 15.

PROFS. M. A. PACKHAM, J. STILL, A. SENYI and J. F. MUSTARD presented a paper entitled "The Fate of C^{14} -ADP during Platelet Aggregation" at the Federation of American Societies for Experimental Biology held in Chicago, April 16-21.

PROF. O. V. SIREK acted as consultant in endocrinology for the Department of Pathology, University of California, Los Angeles, in the early spring of 1967. During his stay in Los Angeles he delivered three formal lectures on various aspects of growth hormone action, and gave several seminars on diabetes to various groups in the University of California and the University of Southern California. He was one of the organizers of a "Workshop on Diabetes" held at the Seignior Club, Montebello, Quebec, on April 24 and 25. This was a centennial project sponsored by Hoechst Pharmaceuticals of Canada and 21 scientists from across Canada were brought together under the honorary chairmanship of Prof. C. H. Best. Dr. Sirek spoke on "Serum Proteins in Newborn Infants of Diabetic Mothers".

DRS. R. E. TURNER, J. W. MOHR and C. K. MCKNIGHT visited the University of Rochester for two days in April to study the psychiatric management of offenders and probationers in Rochester and Monroe County. This exchange of information and experience followed a similar arrangement

in which senior university and county psychiatric staff from Rochester visited the Forensic Service of the Clarke Institute of Psychiatry.

DRS. TURNER and MOHR lectured on "Current Developments in Forensic Psychiatry" and "Sexual Deviation" respectively at the University of Vermont in April.

Applied Science and Engineering

A paper, "The Effect of the Prandtl number on Temperature Profiles in Turbulent Smooth Tube Flow" written by DR. R. A. GOWEN and PROF. J. W. SMITH was presented by Dr. Gowen at the Centennial Meeting of the Canadian Congress of Applied Mechanics in Quebec City, May 21, 1967. DR. O. TRASS also attended the Congress.

PROF. W. H. RAPSON presented a paper entitled "The Feasibility of Recovery of Bleach Plant Effluents to Eliminate Water Pollution by Kraft Pulp Mills" at the 4th International Pulp Bleaching Conference, Toronto, May 1-4, at which he was presented with the 1967 TAPPI Pulp Manufacture Division Medal. On April 28 he addressed the Deep River Section of the Chemical Institute of Canada on the subject "Inventions I Might Have Made." He also attended the Centennial Congress of Canadian Engineers in Montreal, May 28 to June 2, at which he was chairman of the Session on "Resources".

PROF. MORRIS WAYMAN was program chairman for the Fourth International Pulp Bleaching Conference. About 450 delegates, including a substantial number from Europe, attended. Prof. Wayman co-authored two of the 32 papers which were presented, one with Prof. W. H. Rapson, C. B. Anderson and H. Salamat. Many of the conference delegates visited the laboratories in the Department of Chemical Engineering and Applied Chemistry for continued discussion. Prof. Wayman also visited the Chalk River Laboratories of Atomic Energy of Canada Limited to discuss heavy water research.

PROF. S. SANDLER lectured on "Advances in Instrumental Methods of Analysis" to the Sheridan Park Association on April 18.

PROF. O. TRASS visited the Noranda Research Centre, Pointe Clair, Quebec, on June 8 and delivered a talk entitled "Shock Tube in High Temperature Reaction Studies".

PROF. R. E. JERVIS was elected Honorary Fellow of the Indian Academy of Forensic

Science (Calcutta) in April. He addressed the Sudbury and district section of the Chemical Institute of Canada, April 26 on the topic "Radioisotope Methods in Chemical Research". He also attended the International Atomic Energy Agency (IAEA) Conference on Nuclear Activation techniques in the Life Sciences, Amsterdam, May 7-14, and presented two papers: "Activation Analysis Applications in Forensic Science" and (co-authored by K. Y. Wong) "A Chromatographic Group Separation Scheme Used with Gamma Spectrometry for Multi-Element Activation Analysis Surveys". Dr. Jervis was invited to participate on an experts meeting of the IAEA on the problem of mercury contamination of the environment, May 12, in Amsterdam. He toured the facilities of the Centres d'études Nucléaires at Grenoble and Orsay, France, the U.K. Atomic Energy Authority at Harwell, Wantage and Aldermaston and the Scottish Universities' Reactor Centre, Glasgow. Also, Dr. Jervis presented a keynote paper "Present Status of Hair Characterization Studies by Activation Analysis" at the 13th National Meeting of the American Nuclear Society, San Diego, June 11-15, and presented a paper "Recent Radiochemical Research in the University of Toronto" at the General Atomic Symposium on Research Reactor Utilization, La Jolla, California, June 16.

DR. D. BASMAJIAN attended the 50th Annual Conference, Chemical Institute of Canada, Toronto, June 5-7, acting as Chemical Engineering Division program chairman. Dr. Jervis presented an invited paper "Nuclear Activation Applied to Microanalysis" to the Analytical Chemistry Division at the Conference and co-authored three of the other papers presented. Several other members of the staff attended the Conference, including PROFS. M. E. CHARLES, R. W. MISSEN, W. H. RAPSON, S. SANDLER, O. TRASS and M. WAYMAN.

PROF. D. G. ANDREWS attended the annual meeting of the American Nuclear Society, Niagara-Finger Lakes Section, at Rochester, N.Y., on May 20, and was re-elected to the executive. He attended the Canadian Congress of Applied Mechanics at Quebec City from May 21-27, and read a paper, co-authored by P. BUTT and PROF. F. C. HOOPER, on "The Departure from Nucleate Boiling in Some Binary Organic Mixtures Under Forced Convection". He attended the annual conference of the Canadian Nuclear Association at Montreal from May 28-31,

where he co-authored the Report of the Professional and Technical Manpower Committee and the CNA Survey of Nuclear Education in Canada. As chairman of Ontario Arrangements, he participated in the Canadian Summer Meeting of the Institution of Mechanical Engineers, U.K., from June 6-9.

PROF. C. HERSHFIELD attended the Canadian Congress of Engineers, held in Montreal from May 28 to June 2, at which he presented a paper entitled "The Design of the Roof for the Ontario Government Pavilion at Expo 67".

PROF. M. W. HUGGINS and co-authors E. N. APLIN and J. H. L. PALMER were awarded the Gzowski Medal of the Engineering Institute of Canada for their paper "Evaluation of the Effect of Delamination". The medal was awarded at the Congress of Canadian Engineers in Montreal.

PROF. M. W. HUGGINS and R. G. DRYSDALE presented a paper entitled "Behaviour of Slender Reinforced Columns with Bi-Axial Loading Under Sustained Load" at the May meeting of the American Society of Civil Engineers and The American Concrete Institute in Seattle.

DR. G. N. J. KANI was appointed chairman of Session A of The Canadian Congress of Applied Mechanics on May 23 at Quebec City.

DR. D. J. L. KENNEDY took part in a panel discussion at the Design Centre on "Structural Steel at Expo" March 20. Discussion centred on innovations in structural steel as evidenced by the structures at Expo.

DR. D. J. L. KENNEDY presented a paper on the "Evaluation of Structural Weld Defects" at the 6th Annual Conference of the Canadian Welding Society, Montreal, May 23.

PROF. C. F. MORRISON was appointed to the Board of Directors of the Canadian Standards Association. Prof. Morrison attended the Canadian Congress of Engineers, held in Montreal at which he presented a paper entitled "Canada's Participation in India's Regional Engineering College Scheme".

DR. J. SCHWAIGHOFER presented a paper entitled "Door Openings in Shear Walls" at the annual convention of the American Concrete Institute in Toronto, April 1-7. Dr. Schwaighofer attended the Spring Meeting of the Society for Experimental Stress Analysis in Ottawa, May 16-19, and acted as chairman of the session on Photoelasticity. He also attended the 1st Canadian Congress

on Applied Mechanics at Laval University, May 22-26, and chaired the session on Shells.

PROF. K. G. BALMAIN attended the 1967 Spring Meeting of the International Scientific Radio Union (URSI), Ottawa, May 23-26. He presented a paper entitled "RF Probe Admittance in the Ionosphere: Comparison of Theory and Experiment", co-authored by G. OKSIUTIK and J. FEJER.

PROF. W. JANISCHEWSKYJ and M. P. SARMA participated in the meeting of the Canadian Corona Research Group on May 11 and 12, held at the Royal Military College in Kingston. Their contribution to the meeting consisted of "Boundary Conditions at Conductors in DC Corona" and "Theoretical Analysis of DC Corona for Unipolar Conductor Configurations". Prof. Janischewskyj also took part in the 5th Power Industry Computer Application (PICA) Conference in Pittsburgh. He acted as the chairman of the Session on Power System Dynamics entitled "Specialized Solution Techniques".

PROF. J. L. YEN presented an invited paper, "Long Baseline Interferometry" at the International Scientific Radio Union 1967 Spring Meeting, May 23-26, Ottawa. A. L. VANKOUCHNETT presented a paper "Collinear Arrays of Closely-spaced Cylindrical Antennas" and G. L. YIP presented a paper, "Radiation from an Electric Dipole in an Axially Magnetized Plasma Column" at the same meeting.

PROF. S. D. T. ROBERTSON attended the cooperative educational conference sponsored by the American Society for Engineering Education (ASEE) in Detroit Jan. 22-25, and also the Power Industry Computer Applications Conference in Pittsburgh.

DR. ARTHUR PORTER participated in a seminar held by the Toronto Chapter of the Computer Society of Canada on May 2. Dr. Porter addressed the annual dinner of the Canadian Chapter of the Technical Staff Officers' Club in Ottawa on May 5; spoke at the Chartered Accountants Students' Dinner on May 11; and was the luncheon speaker at the Canadian Dental Association Conference in Toronto on May 17. The title of his address was "Pattern for the Future". On May 25, Dr. Porter participated in a panel discussion on "Operations Research and Industrial Engineering" at the AIIE Conference held in Toronto; participated in a panel discussion on May 29 at the Congress of Canadian Engineers in Montreal on "Systems Engineering—Concepts and Education"; delivered a paper on "Com-

puters and McLuhan Space" at the Computer Science Association meeting on June 2 at Carleton University during the meetings of the Learned Societies, and spoke at the dinner held on June 8 during the Adhesion Symposium sponsored by the Associate Committee on Paint Research of the National Research Council.

PROFS. R. W. P. ANDERSON and J. G. C. TEMPLETON attended the Canadian Operational Research Society Conference in Ottawa from May 10 to 12.

DR. BEN BERNHOLTZ attended the 9th Annual Meeting of the Canadian Operational Research Society in Ottawa, May 10, 11 and 12, where he presented a paper on "Two Stage Cyclical Queues", jointly with DR. M. J. M. POSNER.

DR. SAMUEL KOTZ presented a lecture on "Distribution of Quadratic Forms in Normal Variables" at the Mathematical Seminar held at Temple University, Philadelphia, on May 8.

DR. L. E. JONES spoke by invitation at the annual awards luncheon of the Engineering Institute of Canada in Montreal on May 30, concerning the Gzowski Monument now under construction in Toronto.

DR. B. TABARROK attended the Canadian Congress of Applied Mechanics (May 22-26) at Laval University and presented a paper entitled "On Kron's Eigenvalue Procedure and Related Methods of Frequency Analysis".

PROF. J. M. TOGURI has been appointed editor-in-chief of the Canadian Metallurgical Quarterly, Canadian Institute of Mining and Metallurgy.

PROF. S. N. FLENGAS has been elected a Fellow of the Chemical Institute of Canada. The award was presented June 5 at the annual meeting of the C.I.C.

Education

DEAN DADSON attended a week's course in application of computer science to college administration and instruction personnel in San Jose, California.

PROF. J. W. GREIG visited Yeshiva University, City of New York University (Hunter College), and Teachers' College (Columbia) on May 29-31, to discuss with faculty members their teacher preparation programs.

PROF. JANET ARMSTRONG attended a meeting of the Canadian Gymnastic Association in Montreal on May 28 and 29 and assisted in selecting the Canadian Gymnastics Team for the Pan-American Games.

PROF. W. A. ANDREWS participated on May 23 in a workshop on the implementation and methodology of new Chemistry courses. The workshop was sponsored by the Science Teachers' Association of Ontario, the Department of Education, and the Saltfleet Board of Education, and was attended by Chemistry teachers from the Hamilton-St. Catharines area. He also is serving on a committee which has organized an international conference of science teachers for November 2, 3, and 4 of this year. Other members of the staff who will participate in this conference are PROFS. CLEE, CASSON, and BEDAL, and MR. ALEXANDER of the University of Toronto School staff. A copy of the program may be obtained from Prof. Andrews.

On April 29, the Department of Physical and Health Education offered a one-day symposium on health education. The symposium included the presentation of papers, special demonstration and seminar discussions. Presentations were made by Mrs. Bernice McGinn and Peter Robertson of the Toronto Board of Education; Mrs. Betty Cullingworth of the Scarborough Board of Education; Mr. Alan Robertson, Waterloo; John Metcalf, Supervision Branch, Department of Education; and by PROFS. ARMSTRONG and LIFE of the College of Education faculty. Unfortunately only 100 teachers could be accommodated. There were close to 500 applications from all parts of the province. This response indicates a need which should be satisfied in the future. Plans are now underway to conduct a health education symposium at the O.A.L.C. camp in September and the department has received requests to conduct similar sessions in Sudbury and the Lakehead.

PROF. D. J. LONG and CRAIG OTTO of the Technical and Industrial Arts Department attended the Canadian Vocational Association Conference held in Quebec City, from May 23 to May 25. The former has been attending the meetings of the Mechanical Technology Curriculum Committee of the Department of Education in an advisory capacity. This committee is presently engaged in drawing up a Course of Study in Mechanical Technology which is to be introduced in the curriculum of the four-year Science, Technology and Trades departments in Ontario's secondary schools.

During May, DR. H. O. BARRETT and DR. G. E. TAIT visited British teacher training institutions in Glasgow, Edinburgh, London, Exeter, Exmouth and Totnes.

C. D. S. BATE attended the annual meeting of the National Association for Gifted Children in Hartford, Connecticut, May 4-6. Of particular interest were sessions on Non-Graded Secondary Schools and Independent Study.

In May, PROF. P. TACON addressed the Hamilton Women's Art Association on "Reality Where Are You Now", opening the Association's Centennial exhibition at the Hamilton Art Gallery.

PROF. GARY SMITH was guest speaker at the annual banquet of the Hamilton History Teachers' Association, April 19, his topic being "History Teaching Yesterday and Today". In March PROFS. SMITH and CARL WOLFF of the History Department of Brock University spoke on "The New History—the Inductive Approach" to the history faculty of Brock University and the history teachers of District 8, O.S.S.T.F., in a meeting held at Brock University.

PROFS. PARMENTER and BEDAL attended the First Triennial Conference of the Canadian Guidance and Counselling Association held May 29-June 1 in Quebec City. Prof. Bedal presented a paper entitled, "Counselor Retraining and Professional Development".

PROFS. A. S. NEASE and J. W. GREIG are acting as curriculum consultants at Ajax High School, Pickering, with special reference to the four-year programs of study.

PROF. W. L. MUMFORD and D. W. ALEXANDER conducted a workshop on modern methods of teaching secondary school mathematics in Fredericton, N.B., on May 26 and 27 for a selected group of secondary school teachers of the province.

Library Science

PROF. MARGARET COCKSHUTT was appointed chairman of the Nominating Committee of the Canadian Association of Library Schools.

PROFS. EDITH JARVI and NANCY WILLIAMSON have received Humanities and Social Sciences Junior Research Fellowships for the summer, 1967.

PROF. WILLIAM KURMEY attended the Canadian Association of College and University Libraries Workshop on Automation at the University of British Columbia, April 10-12, where he presented a paper on "Management Implications of Automation". Prof. Kurmey participated in a panel program of the Librarians and Curators of the American Association of Museums, the Canadian Museum Association on June 1,

on the topic "Is the Use of Computers Practical in Museum Libraries?".

Forestry

PROF. E. JORGENSEN presented a paper entitled "Shade Tree Research—Now and in the Future", at the annual meeting of the Ontario Shade Tree Council held at Toronto on March 3. On March 31, he gave a formal seminar entitled "Protection Wood Formation in Trees—A Defence Mechanism?", to the Department of Biology, Hamilton College, McMaster University. On April 3, he presented a paper entitled "Tree Diseases and Their Control", to a spring Garden Course sponsored by the Parks and Recreation Department of the Borough of Etobicoke. On May 24, Prof. Jorgensen presented a paper entitled "Education of the Arborist" to the annual meeting of the Canadian Chapter, International Shade Tree Conference. On May 25, he was elected president of the Canadian Chapter.

PROF. A. S. MICHELL addressed the Toronto Round Table Club on the topic, "New Sounds in the Forest", on March 8. He was appointed to the Logging Committee, Woodlands Section, Canadian Pulp and Paper Association, and attended the committee meeting in Toronto, May 2-3.

PROF. R. J. DAY attended the first Prescribed Fire Symposium held by the Ontario Department of Lands and Forests at Lindsay, March 23.

M. MEACHER gave two lectures on "Inheritance and Variation within Tree Species", at Lakehead University, Feb. 21 and 23.

PROF. J. BALATINECZ attended the North Bay Meeting of the Eastern Canadian Section of the Forest Products Research Society on March 10-11.

DR. D. HALEY attended a seminar on Education Needs for Improved Management of Outdoor Recreation for Forest and Wildlands at the University of British Columbia on Feb. 16.

Music

PROF. JOHN WEINZWEIG toured England, Scotland and Wales in May as a guest of the Composers' Guild of Great Britain. His *Symphonic Ode* was performed in Manchester. PROF. WEINZWEIG's Centennial Commission *Concerto for Harp and Chamber Orchestra* was premiered in the Edward Johnson Concert Hall on April 30 with harpist Judy Loman and the Toronto Rep-

ertory Ensemble conducted by Milton Barnes.

Two recent performances of PROF. TALIVALDIS KENINS' works in the United States include *Suite Concertante* for cello at the Beth Shalom Festival of the Arts in Miami, Fla., on April 22, played by Naruns, solo cellist of the Miami Philharmonic, and *Three Songs* for contralto, performed on May 4 at Capital University, Columbus, Ohio, as part of their eighth Festival of Contemporary Music.

Anyone interested in being put on the mailing list for events in the School of Music or the Faculty of Music, please call 928-3751 or 928-3771.

Graduate Studies

In January DEAN ERNEST SIRLUCK was elected chairman of the newly created Ontario Council on Graduate Studies, which replaced the Advisory Committee on Graduate Studies, of which he had also been chairman since its inception. In February, the OCGS established a Committee on Appraisal of Graduate Programs and a Committee of Liaison with the Ontario Council of University Librarians, on both of which Dean Sirluck serves. In April he was elected a Fellow of the Royal Society of Canada. In May he was made a member of the Central Budget Committee of the University.

Architecture, Urban and Regional Planning and Landscape Architecture

PROF. A. J. DIAMOND gave a lecture at the Art Gallery of Ontario on "The City". He also acted as chairman of the Kevin Roche lecture at the Ontario Association of Architects' annual convention. At the Banff Conference on Architectural Education, "The Future Education in Architecture", Prof. Diamond was one of the keynote speakers. He attended the UNESCO panel discussion on "Incorporation of Behavioral Criteria in Physical Design".

PROF. MICHAEL HOUGH, acting chairman of the Landscape Architecture Department, was visiting critic at the Department of Landscape Architecture Loenthorpe School of Design, Rhode Island, from April 11 to 15. He lectured on Landscape Architecture and the development of Scarborough College.

PROF. D. H. LEE was keynote speaker at a seminar for Architects and Engineers on

"Engineered Masonry Construction" sponsored by the Michigan Society of Architects in Detroit on April 26. Prof. Lee has been appointed architectural consultant to the Department of Social and Family Services, Government of Ontario, to establish design and construction standards for the building projects of the Department.

HANS BLUMENFELD was appointed corresponding member of the German Academy for Spatial Research and Regional Planning (Deutsche Akademie für Raumforschung und Landesplanung, Hannover). He was also appointed member of (lambda alpha) International Fraternity of Lands Economists.

Social Work

DR. F. BREGHA participated in a seminar of the Canadian Institute of International Affairs in Toronto, dealing with the U.S.A. and Latin America; the annual meeting and Conference of the Overseas Institute of Canada, in Ottawa, April 6-7; and the Board of Directors meeting of International Development Foundation, in New York, April 1-2. He acted as consultant with ARDA in Ottawa on April 7; and delivered three local commentaries on CBC, Toronto, and two nation-wide broadcasts on CBC, French Radio Canada, on the federal budget and the University of Toronto President's Report for 1965-66.

DR. E. S. L. GOVAN was appointed to membership on the National Executive Committee, Division of Health and Medical Care, American Public Welfare Association. On April 30-May 2 she attended the national workshop on Government/Voluntary Relationships organized by the Committee on Voluntary Action, C.A.A.E., at The Guild Inn, Scarborough.

DR. L. B. GRAHAM was moderator of a meeting at Park Lawn School, Etobicoke, sponsored by Parent-Teacher Association, to hear presentations from public and voluntary agencies concerning present and projected recreational resources in the Borough of Etobicoke, on April 20.

DR. T. GRYGIER visited the research unit of the Home Office, London, the National Foundation for Educational Research in England and Wales, the Department of Criminology, Oxford University, and INTERPOL H.Q. in St. Cloud, during March. On April 7 he led a discussion group of assistant superintendents of Training Schools in Ontario on his report on "Social Adjustment, Personality and Behaviour in Training

Schools in Ontario", released in the fall of 1966. He attended a conference on "Justice and the Juvenile" in Geneva Park, sponsored by the Ontario Association of Corrections and Criminology, and the Ontario Division of the Canadian Mental Health Association, April 16-18. In the past months Dr. Grygier has visited the Faculty of Psychology and Education, University of Ottawa; the Psychology Departments at Carleton, Trent, and York Universities; the University of Guelph, Waterloo, and Windsor, to discuss research and education of psychologists in the field of corrections, to arrange facilities for specific studies, courses and practice in correctional institutions, and to outline training grants available to graduate students at master's and doctoral levels. On May 24 Dr. Grygier addressed a meeting organized by the Polish Credit Union and spoke on "The Legal Framework for the Treatment of Juvenile Offenders and Children Without Proper Care and Control by Their Parents".

DR. C. E. HENDRY participated as chairman of a review panel, National Agency Review Committee, in Toronto, April 2-4. He lectured at the Training Institute for Community Development Counsellors, Ontario ARDA Branch, in Belleville, April 7; attended a consultation called by the Special Planning Secretariat of the Privy Council, Ottawa, on April 10, and a consultation on Seminar on Channelling Social Change, Institute on Man and Science, University of the State of New York, Albany, April 18-19. Dr. Hendry has accepted membership on the President's Committee of the Canadian Association of Social Workers.

DR. B. W. LAPPIN read a paper at the annual conference of the Jewish Scientific Institute in New York on April 12 on "The Potential of the Community Organization Worker in a Community's Quest for Survival." He participated as lecturer in the Staff Training Institute sponsored by the Canadian Welfare Council at Geneva Park on April 14, discussing "The Role of the Professional Community Organization Worker" and "Approach to Recruitment of Volunteers"; and as discussant in the seminar on Coordination of Physical and Social Planning, sponsored by the Canadian Welfare Council, at the Inn on the Park, April 13-14. Participants included experts in town planning, urban renewal, and housing, together with social planners, with Canadian-wide representation.

PROF. M. SEELEY participated in the Institute on Mental Retardation: A New Dimen-

sion in Social Work Education, University of Louisville, Kent School of Social Work, March 12-15. She was appointed a member of the Social Work Consultative Group to process requests from health settings for Social Work consultation; and was appointed representative from the School of Social Work to the group of consultants to the Administration and Users' Committees of Sunnybrook Hospital by Dr. John Hamilton, Vice-President, Health Services.

DR. B. Z. SHAPIRO acted as moderator of the Annual Institute of the Ontario Association of Professional Social Workers, Toronto Branch, on May 4-5, on "The Social Worker: Agent of Social Change or Preserver of the Status Quo".

PROF. D. BELLAMY spoke on "Government, Housing, and People" at the Regional Conference of the Canadian Labour Congress, Port Elgin, May 26-27.

DR. R. E. G. DAVIS was keynote speaker at the Eighth Annual Congress of the Saskatchewan Coordinating Council on Rehabilitation on May 3. He chaired a meeting on the Guaranteed Income as an approach to Social Security at the annual meeting and conference of the Ontario Welfare Council, Hart House, May 16.

DR. C. E. HENDRY was appointed to the Executive Committee of the Canadian Red Cross as Honorary Adviser on Emergency and Welfare affairs; and was appointed chairman of the Executive Committee of the Board of Governors of the Canadian Welfare Council. He gave a luncheon address before the General Practitioners Section of the Ontario Medical Association, Royal York Hotel, May 10; and met with the President's Committee of the Canadian Association of Social Workers in Montreal, May 12. Dr. Hendry attended a Consultation among the National Committee of Canadian Schools of Social Work, the AUCC, the National Welfare Grants Administration, and the Laidlaw Foundation, in Ottawa, May 31.

DR. R. E. JOHNS served as Senior Consultant for the National Y.W.C.A. Consultation on Leadership Development held at Victoria College, May 25-29, attended by 105 presidents and executive directors from all parts of Canada. He also delivered the major address on "New Organizational Theories and Practices".

DR. B. W. LAPPIN was a discussant in an Institute on "Role of the Social Worker - Agent of Change or Preserver of the Status Quo" sponsored by the Ontario Association of Professional Social Workers on May 4-5.

He was one of the guest speakers and acted as consultant to an Institute sponsored by the Elliot Lake Centre for Continuing Education and the Youth Branch of the Department of Education of Ontario, on May 11-13, when representatives from communities in Northern Ontario met to consider various local needs and plan projects for their respective localities.

MR. NATHAN MARKUS served as consultant for the National Y.W.C.A. Consultation on Leadership Development, Victoria College, May 25-29, and made a presentation on "Roles and Responsibilities of Board and Staff Members".

Hygiene

The School of Hygiene was honoured by a visit on April 21, of DR. M. G. CANDAU, Director-General, World Health Organization, Geneva, Switzerland. Dr. Candau was in Canada for the purpose of attending the Centennial Meeting of the Canadian Public Health Association held in Ottawa. He also visited the Ecole d'Hygiène, Université de Montréal, as well as this School. Dr. Candau spoke to the staff and students and met afterwards the fifty or more international students studying for graduate diplomas and degrees in the School of Hygiene. Dr. Candau was most appreciative of the work being done in the field of education of international students in Public Health subjects and encouraged the School to draw upon the resources of the World Health Organization for additional facilities.

DR. A. J. RHODES represented the School of Hygiene at the annual meeting of the Association of Schools of Public Health for North America held in Montreal, May 8, 9, and 10. The School is a charter member of the Association of Schools of Public Health in North America. Membership in this group is restricted to Schools which meet all of the international accreditation standards administered by the Committee on Professional Education of the American Public Health Association. Two Schools in Canada and thirteen in the United States now belong to this organization.

Dr. Rhodes, already a member of the special Assessment Group on Microbiology of the Medical Research Council, has, in addition, been appointed chairman of the special Assessment Group on Preventive Medicine. In this capacity he will interview representatives of all Departments of Preventive Medicine and allied subjects such as Epidemiology, Industrial Health, etc., in

the Canadian medical schools and also in the two Schools of Hygiene.

DR. HARVEY AGNEW gave the Charles F. Willinsky Annual Lecture at the Harvard School of Public Health, Boston. His topic was "Changing Objectives in the Hospital World".

DR. G. H. BEATON was appointed a temporary adviser to the World Health Organization and travelled to Geneva in June to plan a book on Nutrition in Public Health with special emphasis on programs for developing countries. He was also appointed as a consultant to the Institute of Nutrition of Central America and Panama and went to Guatemala in July to plan the utilization of extensive data, recently accumulated in a nutrition survey of Central America, in an epidemiologic investigation of nutrient requirements.

MISS H. MILNE has been appointed a member of a Department of National Health and Welfare committee on the utilization of computers in the processing of dietary information. Miss Milne is one of the few people in Canada active in this new field. She has also been elected chairman of a steering committee on the development of the Nutrition section of the Canadian Public Health Association. In July, Miss Milne will visit Public Health personnel in the Atlantic Provinces. She has just completed a term of two years as chairman of the Toronto Nutrition Committee during which time a booklet "Food Habits of New Canadians" was published.

PROFS. Z. I. SABRY and M. J. VEEN presented papers at the Canadian Federation of Biological Societies in Montreal in July and Prof. Veen will also present a paper at the meeting of the American Thyroid Association in Ann Arbor, in September. Prof. Sabry also attended the Federation of American Societies of Experimental Biology in Chicago in April.

DR. H. S. GEAR representing the Director, visited the University of the West Indies, Jamaica, in April. Discussions took place with the vice-chancellor, the bursar and a number of officers in the Faculties of Medicine, Social Sciences and Education on the possibility of joint programs with U of T. Dr. Gear then joined a travelling seminar of the World Health Organization which visited the Schools of Public Health in Mexico City, Rio de Janeiro, Sao Paulo and Santiago. This group returned to Canada and the United States with further understanding of the magnitude and ur-

gency of health problems and the burdens carried by the educational institutions of Latin America.

MISS MARGARET CAHOON presented a paper on "Health Education in the College Curriculum" to Conference on Physical and Health Education of the Ontario Colleges of Applied Arts and Technology on April 18.

Aerospace Studies

PROF. B. ETKIN attended the International Congress on Subsonic Aeronautics, in New York, April 2-6, where he served as chairman of one of the sessions.

DR. I. I. GLASS and M. GORJUP attended the Astronautics Symposium of the Canadian Aeronautics and Space Institute, Ottawa, on March 13 and 14 where they presented a paper on "Laboratory Calibration of a Micrometeroid Impact Gauge".

DR. G. N. PATTERSON attended an international meeting on Rocket Sounding Vehicles and Techniques sponsored by the American Institute of Aeronautics and Astronautics on Feb. 27 and 28. He also participated in a study of university participation in NASA programs on March 1. Both meetings were held at Williamsburg, Va. He attended a meeting of the Science Council of Canada in Ottawa on March 16 and 17, and presented a lecture to the Association of Professional Engineers of Alberta in Calgary on March 31 on the subject of "Canada's Future Role in Space".

DR. H. S. RIBNER lectured on "Generation and Refraction Effects in Jet Noise" at the University of Washington, Feb. 27 and on "Shock-Vortex Interaction" at Boeing Scientific Research Laboratories, Feb. 28 in Seattle. The lecture on jet noise was later repeated at the NASA Langley Laboratory, Langley A.F.B., Va., March 20, and again March 21 at Huntsville, Ala., for a group from industry and from the NASA Marshall Space Flight Center. This was followed by a tour of the facilities for rocket noise studies at Marshall. Dr. Ribner attended a meeting of the Canadian Association of Physicists Physics Survey (Classical Physics) on March 6 and a meeting of the NRC Associate Committee on Aerodynamics, March 28, both in Ottawa.

DR. J. H. DELEEUW was a member of the organized committee of the Canadian Aeronautics and Space Institute's Annual Astronautics Symposium. He attended the symposium, March 13 and 14, at Ottawa. He also attended the yearly meeting of the NRC sub-committee on Space Research,

March 16 and 17, at Ottawa and presented a report on the UTIAS rocket experiment presently under construction.

DR. R. M. MEASURES attended the 10th AFOSR Contractors' Meeting in San Diego, April 2-5. He read a paper entitled "Localized Diagnostic Possibilities of Selective Excitation Spectroscopy".

DR. J. H. DELEEUW and MR. W. E. R. DAVIES attended a meeting on the "Future Requirements for Canadian Rocket Experiments", at Bristol Aerospace at Winnipeg on May 10.

PROF. B. ETKIN attended the Canadian Congress on Applied Mechanics at Université Laval, May 22 to 24, where he presented one of the invited general lectures on "Dynamics of Flight Vehicles". He also attended the annual general meeting of the Canadian Aeronautics and Space Institute in Montreal, June 5 and 6.

DR. R. F. FLAGG visited the U.S.A.F. Aerospace Research Laboratory at Wright-Patterson AFB, Ohio on May 9 and gave a lecture entitled, "The Implosion-Driven Hypervelocity Launcher".

DR. I. I. GLASS attended the Congress of Canadian Engineers in Montreal on May 29. He also attended the Canadian Aeronautics and Space Institute annual general meeting on June 5 and 6, in Montreal, where he gave the W. Rupert Turnbull Lecture for 1967, entitled "Research Frontiers at Hypervelocities".

DR. R. C. TENNYSON and DR. P. C. HUGHES, on behalf of DIR, visited Canadair Ltd. in Montreal April 13-14 as technical consultants to review their current research in structural analysis using matrix methods. Dr. Tennyson also attended the Canadian Congress of Applied Mechanics at Laval University May 21-27, 1967. He presented a paper entitled "Analysis of the Buckling Process of Circular Cylindrical Shells Under Axial Compression" on May 25 and acted as a session chairman in Solid Mechanics on May 23. Dr. Tennyson and three students, J. R. McCullough, M. McLeod, and H. Teunissen attended the Great Lakes Student Conference at Case Institute of Technology on May 12-13. The three students presented their Bachelors' theses in competition with ten other students from universities in the United States. McLeod, McCullough and Teunissen placed first, second and fourth, respectively.

DR. J. H. DELEEUW participated in the symposium on "Environment Induced Orbital Mechanics" organized by NASA and held

at the Marshall Space Flight Center, Huntsville, Alabama, June 6 and 7.

DR. J. B. FRENCH attended the conference on Environment Induced Orbital Dynamics held by NASA, June 6-8, at the Marshall Space Flight Center, Huntsville. He presented a paper entitled "Analytical and Experimental Prediction and Measurement of Energy and Momentum Accommodation Coefficients as Related to Satellite Drag".

DR. G. N. PATTERSON attended a meeting of the Science Council in Montreal on May 8 and 9. Dr. Patterson chaired the opening session on Frontiers in the Seventies at the Congress of Canadian Engineers held in Montreal, May 29 to June 2. He was chairman and contributed to a session on Aerodynamic Coefficient Prediction Methods which was part of a symposium on "Environment Induced Orbital Dynamics" held at the Marshall Space Flight Center, NASA, at Huntsville on June 6, 7, and 8. The Institute has now become directly involved in the Apollo Project.

DR. I. I. GLASS visited the American Physical Society headquarters at Columbia University, April 17, to assist in preparing the program for the forthcoming sessions of the Divisions of Fluid Dynamics and Plasma Physics at the combined meeting of the Canadian, Mexican and American physical societies to be held at the McLennan Laboratory and the Institute for Aerospace Studies, June 21-23, under the program chairman, Prof. H. L. Welsh.

Bio-Medical Electronics

PROF. N. F. MOODY was the guest speaker at a seminar of Atomic Energy of Canada Ltd. at Chalk River on May 15. He spoke on "Methods of Modern Science applied to Medicine".

PROF. LLEWELLYN THOMAS was chairman of a seminar on "Man Machine Systems" during the Centennial Congress of Canadian Engineers in Montreal, May 28 to June 2.

DR. MARK AIZERMAN, the Director of the Laboratory at the Institute of Automatics and Telemechanics of the Academy of Science, Moscow, visited the Institute and spoke on "Motor Control and Control of Muscle Activities" on May 19.

Computer Science

PROF. C. C. GOTLIEB as a visiting lecturer on the Visiting Scientists Lectureship Program of the Society for Industrial and Applied Mathematics (SIAM) delivered two

lectures to research oriented university staff and students of the University of Nebraska on May 1 and 2: "Syntax Directed Compilers" and "Sorting on Computers". Prof. Gotlieb presented a paper "How Many Computers per University" at a conference on University Graduate Programs in Computer Science, held at the State University of New York at Stony Brook, on June 6-9.

PROF. J. N. P. HUME was chairman at a symposium of the Toronto Section of the Computer Society of Canada on "The Computer and Society" on May 2. Prof. Hume addressed the annual meeting of the Rochester Chapter of the Association for Computing Machinery on "The Computer as a Conversationalist" on May 25.

PROF. W. KAHAN and B. T. SMITH (Ph.D. student in Computer Science) have made presentations on "Our Polynomial Zero Finder" to the Mathematics Research Center (U.S. Army) of the University of Wisconsin on May 25-26.

The following seminars were held in the Department of Computer Science: "Inclusion Theorems for Clustered Eigenvalues of Hermitian Matrices" by PROF. W. KAHAN on April 26; "Computer Graphics" by PROF. L. MEZEL, May 3 and 10; Discussion on magnetic tape mounting and reserving procedures—organized by the Institute of Computer Science, May 15; and "Design Philosophy of the Control Data 6600" by representatives of the Control Data Corporation on June 13.

Connaught Medical Research Laboratories

DR. A. M. FISHER was elected president of the Royal Canadian Institute at its annual meeting in Toronto on April 15.

DR. M. H. BROWN spoke on "The Health Service Troika—Where is it going?" at the annual meeting of the Canadian Public Health Association in Ottawa, April 26.

DR. J. F. CRAWLEY has been invited to attend the XVIIIth World Veterinary Congress to be held in Paris, France, July 17-22. Dr. Crawley will give a paper entitled "Comparison between Eradication and Immunization in the Control of Poultry Diseases Due to Viruses and Mycoplasma".

Royal Ontario Museum

PETER SWANN contributed to a symposium at the Asia Society in New York on the exhibition, "Fantasies and Eccentrics in Chinese Painting" on May 4. Mr. Swann was the Museum representative on the Cana-

dian Association of Museums Directors' Organization May 30-June 1.

DR. JON BARLOW attended the annual meeting of the Cooper Ornithological Society in Santa Barbara, Calif., April 6-9. Between April 28 and June 3, supported by a National Research Council grant, he studied the behaviour of the Grey Vireo, mostly at Big Bend National Park in west Texas where he worked under an honorary collaboratorship with the National Park Service. Also under the NRC grant, Dr. Barlow was to study the behaviour and ecology of the Philadelphia Vireo in northern Ontario during most of June. June 14-16 he planned to attend an International Conference on Systematics at the University of Michigan. Also during June, JAMES L. BAILLIE and JAMES A. DICK were to collect and study vireos between western Ontario and eastern British Columbia under an NRC grant.

DR. E. J. CROSSMAN attended meetings of the American Society of Ichthyology and Herpetology in San Francisco June 18-23. Then he went to Vancouver Laboratory of the Fisheries Research Board of Canada to discuss work being done for him there. From July 5 to 27 Dr. Crossman is scheduled to begin the first phase of an inventory of fishes in Ontario's Provincial Park, made possible by a Quetico Foundation grant and the co-operation of the Ontario Department of Lands and Forests.

DR. A. G. EDMUND, GORDON GYRHOV and two anthropology students left June 12 for summer field work in Alberta and Saskatchewan.

MISS ALLISON HARLE is scheduled to attend a training course in Roman archaeology at Corbridge, Eng., July 1-22.

MISS SUSAN HOLLAND attended the annual conference of the Special Libraries Association in New York City May 30-June 2.

MRS. N. LEIPEN will continue her work this summer on Small Finds from the Athenian Agora on the site of the ancient Agora in Athens.

ROBERT M. ORGAN addressed the American Group of the International Institute of Conservation May 26 in Ottawa on "Methods and Purposes of Electro-chemical and Electrolytic Treatment of Metallic Antiquities".

DR. R. L. PETERSON returned June 5 from a two-month mammal collecting expedition to Africa and Malagasy. The trip added 15 to 18 species of bats to the ROM collection and over 600 specimens.

DR. L. S. RUSSELL represented the ROM

at the 11th Annual Conference of Directors of Systematic Collections, held at the Field Museum of Natural History in Chicago April 21-22. During July and August Dr. Russell will revisit a number of fossil localities in southern Saskatchewan.

DR. W. B. SCOTT spent one week in May at the St. Andrews, N.B. Biological station and will return there for two weeks in August. From June 12 to July 9 Dr. Scott is attending the American Society of Ichthyology and Herpetology meeting in San Francisco and fishing ports in southern California and on the Gulf of Mexico.

DR. W. M. TOVELL was co-guide for a field trip to Montreal and Ottawa April 12-15 for grade 13 students, sponsored by the Hamilton Secondary School Board. On April 29, in Kitchener he addressed the annual meeting of the Federation of Ontario Naturalists on "A Century of Change—Geology". Dr. Tovell took part June 2 in a panel discussion. "Effective Exhibits—A search for New Guidelines", at the joint annual meeting of the Canadian Museums Association and the Association of American Museums. On June 4 he was the leader of a public geology tour at the Boyd Conservation Area, sponsored by the Metropolitan Toronto and Region Conservation Authority.

HENRY TURNER left June 12 for a month-long tour of Europe to visit museums, dealers, and private collections and to study and do research on Chinese and Japanese ceramics and lacquer.

DR. A. D. TUSHINGHAM has left for London, Istanbul and Beirut on his way to Jerusalem. He represented the president of this university at Centennial celebrations June 26 at the American University of Beirut. Dr. Tushingham plans to remain in Jerusalem, where the ROM is collaborating with the British School of Archaeology on excavation of the Old City, until the end of September.

DR. T. C. YOUNG has been elected a corresponding member of the German Archaeological Institute. He also has been invited to be an active member in the Columbia University seminar on "The Archaeology of the Eastern Mediterranean, Eastern Europe and the Near East" in 1967-68. On March 16 he attended a faculty seminar at Columbia University on the Chronology of the

Early Bronze Age in the Aegean; March 18-20 he attended meetings at the University of Pennsylvania on current field work in Near Eastern Archaeology. At Yale University March 21-23 Dr. Young read a paper on "Khirbet Kerak Ware and Western Iran" at the meeting of the American Oriental Society. On June 10 he left for Iran where he will be field director of excavations at Godin Tape.

DONALD WEBSTER and DR. W. KENYON scheduled excavations of the William Eby pottery at Conestogo, Ont., June 16 to June 25.

The Press

The following have been published by the Press since the last issue of the Bulletin:

Joseph Chamberlain and Liberal Reunion: The Round Table Conference 1887. By Michael Hurst. (Studies in Political History) \$10.50

In Defence of Canada Vol. I: From the Great War to the Great Depression. By James Eayrs. (Canadian University Paperbooks No. 67) \$2.95

Manitoba: A History. By W. L. Morton. (2nd Edition) \$8.50

The Race of Time: Three Lectures on Renaissance Historiography. By Herschel Baker. (Alexander Lectures) \$3.75

The Judicial Committee and the British North America Act: An Analysis of the Interpretative Scheme for the Distribution of Legislative Powers. By G. P. Browne. \$7.50

History and Chronology of the Eighteenth Dynasty of Egypt: Seven Studies. By Donald B. Redford. (Near and Middle East Studies No. 3) \$8.50

Roads to Maturity / Vers la maturité. Edited by Margery King. \$5.95

Fools of Time: Studies in Shakespearean Tragedy. By Northrop Frye. (Alexander Lectures) \$4.95

Other Books

Current Thinking on Teacher Education, Volume 5A in the W. J. Gage Education series. By J. M. Paton for the Canadian Teachers' Federation.

Carbonatites. J. Gittins and O. F. Tuttle, eds. Wiley-Interscience, New York, 591 pp. March, 1967.

